Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
                 "Ask CAS" for self-help around the clock
NEWS
                 Powerful new interactive analysis and visualization software,
NEWS
         JUL 20
                 STN AnaVist, now available
                 STN AnaVist workshops to be held in North America
         AUG 11
NEWS
                 CA/CAplus -Increased access to 19th century research documents
         AUG 30
NEWS 5
                 CASREACT - Enhanced with displayable reaction conditions
         AUG 30
NEWS 6
         SEP 09
                 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS
         OCT 03
                 MATHDI removed from STN
NEWS 8
                 CA/CAplus-Canadian Intellectual Property Office (CIPO) added
         OCT 04
NEWS 9
                 to core patent offices
                 STN AnaVist workshops to be held in North America
         OCT 06
NEWS 10
                 New CAS Information Use Policies Effective October 17, 2005
         OCT 13
NEWS 11
                 STN(R) AnaVist(TM), Version 1.01, allows the export/download
         OCT 17
NEWS 12
                 of CAplus documents for use in third-party analysis and
                 visualization tools
                 Free KWIC format extended in full-text databases
NEWS 13
         OCT 27
                 DIOGENES content streamlined
         OCT 27
NEWS 14
                 EPFULL enhanced with additional content
        OCT 27
NEWS 15
              JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
              STN Operating Hours Plus Help Desk Availability
NEWS HOURS .
              General Internet Information
 NEWS INTER
 NEWS LOGIN
              Welcome Banner and News Items
              Direct Dial and Telecommunication Network Access to STN
NEWS PHONE
              CAS World Wide Web Site (general information)
NEWS WWW
Enter NEWS followed by the item number or name to see news on that
```

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 08:50:39 ON 02 NOV 2005

=> file reg
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
0.21
0.21

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STRUCTURE FILE UPDATES: 31 OCT 2005 HIGHEST RN 866452-21-3 DICTIONARY FILE UPDATES: 31 OCT 2005 HIGHEST RN 866452-21-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> logoff hold COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.43 0.64

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:50:52 ON 02 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

## PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \* \* SESSION RESUMED IN FILE 'REGISTRY' AT 08:57:07 ON 02 NOV 2005 FILE 'REGISTRY' ENTERED AT 08:57:07 ON 02 NOV 2005 COPYRIGHT (C) 2005 American Chemical Society (ACS)

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.43 0.64

FULL ESTIMATED COST

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10031495\10031495 Intermediate II.str

chain nodes :

 $2 \quad 3 \quad 4 \quad 5 \quad 8 \quad 9 \quad 10 \quad 15 \quad 16 \quad 17 \quad 19 \quad 20 \quad 21 \quad 22 \\$ 

ring nodes :

1 6 7 11 12 13 14 18

chain bonds :

1-2 2-3 3-4 3-16 4-5 4-17 5-6 7-8 7-19 8-9 9-10 10-20 10-21 12-15

20-22

ring bonds :

1-11 1-14 6-7 6-18 7-18 11-12 12-13 13-14

exact/norm bonds :

 $1 - 11 \quad 1 - 14 \quad 4 - 17 \quad 6 - 7 \quad 6 - 18 \quad 7 - 18 \quad 10 - 20 \quad 10 - 21 \quad 11 - 12 \quad 12 - 13 \quad 13 - 14 \quad 20 - 22$ 

exact bonds :

1-2 2-3 3-4 3-16 4-5 5-6 7-8 7-19 8-9 9-10 12-15

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:Atom 7:Atom 8:CLASS 9:CLASS 10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:CLASS 20:CLASS 21:CLASS 22:CLASS

## L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 08:57:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

0 ANSWERS

TOTAL

SESSION

100.0% PROCESSED 2 ITERATIONS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1 sss full FULL SEARCH INITIATED 08:57:46 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 65 TO ITERATE

100.0% PROCESSED 65 ITERATIONS 1 ANSWERS

SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> d scan

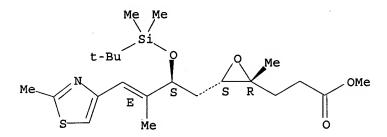
L3 1 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Oxiranepropanoic acid, 3-[(2S,3E)-2-[[(1,1-dimethylethyl)dimethylsilyl]oxy
]-3-methyl-4-(2-methyl-4-thiazolyl)-3-butenyl]-2-methyl-, methyl ester,
(2R,3S)- (9CI)

MF C22 H37 N O4 S Si

Absolute stereochemistry.

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE
ENTRY

FULL ESTIMATED COST 161.76 161.97

FILE 'CAPLUS' ENTERED AT 08:58:14 ON 02 NOV 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 2 Nov 2005 VOL 143 ISS 19 FILE LAST UPDATED: 1 Nov 2005 (20051101/ED)

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http://www.cas.org/infopolicy.html

=> 13

2 L3 L4

=> d 14 1-2 ti fbib abs

- ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
- Process for the production of epothilone B and derivatives as well as ΤI intermediate products for this process
- 2001:78386 CAPLUS AN
- 134:115799 DN
- Process for the production of epothilone B and derivatives as well as TI intermediate products for this process
- Mulzer, Johann; Martin, Harry IN
- Schering Aktiengesellschaft, Germany PA
- PCT Int. Appl., 50 pp. SO CODEN: PIXXD2
- DT Patent
- LA English

FAN.	PATENT NO.					KIND DATE			APPLICATION NO.						DATE			
PI	WO 2001007439 WO 2001007439						WO 2000-US20064					20000724						
		₩:	AE, CR, HU, LU, SD, YU, GH, DE,	AG, CU, ID, LV, SE, ZA, GM, DK,	AL, CZ, IL, MA, SG, ZW, KE, ES,	AM, DE, IN, MD, SI, AM, LS, FI,	AT, DK, IS, MG, SK, AZ, MW, FR,	AU, DM, JP, MK, SL, BY, MZ,	AZ, DZ, KE, MN, TJ, KG, SD, GR,	EE, KG, MW, TM, KZ, SL, IE, ML,	ES, KP, MX, TR, MD, SZ, IT, MR,	FI, KR, MZ, TT, RU, TZ, LU, NE,	GB, KZ, NO, TZ, TJ, UG, MC, SN,	GD, LC, NZ, UA, TM ZW, NL, TD,	GE, LK, PL, UG, AT, PT,	GH, LR, PT, US, BE, SE,	CH, GM, LS, RO, UZ, CH, BF,	HR, LT, RU, VN, CY, BJ,
	EP	1226 R:	ΑT,			DE,	DK,		FR,	GB,	EP 2 GR,	000-	9489	07		2	9990' 0000' MC,	724
. 16		IE,	51,	ыr,			RO,		1	US 1 WO 2	000-1	US20	064		W 2	9990	724	
	JP	2003505459				T2 20030212			JP 2001-512523 US 1999-145005P WO 2000-US20064					P 1	0000' 9990' 0000'	722		
	NO	2002	0003	80		A		2002	0321	1	US 1	002-: 999-: 000-1	1450		-	P 1	0020 9990 0000	722

CASREACT 134:115799; MARPAT 134:115799

os GI

AB The present invention is directed to a process for the production of epothilone B compds., the improvement comprising preparing said compds. by cyclization of a compound produced from an intermediate of formula (I) wherein PG is a protecting group.

Ι

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

TI How stable are epoxides? A novel synthesis of epothilone B

AN 2000:132421 . CAPLUS

DN 132:279035

TI How stable are epoxides? A novel synthesis of epothilone B

AU Martin, Harry J.; Drescher, Martina; Mulzer, Johann

CS Institut fur Organische Chemie der Universitat Wien, Vienna, 1090, Austria

SO Angewandte Chemie, International Edition (2000), 39(3), 581-583 CODEN: ACIEF5; ISSN: 1433-7851

PB Wiley-VCH Verlag GmbH

DT Journal

LA English

The authors present a synthesis of epothilone B in which the epoxide is introduced early and then deliberately carried through the hardships of a multistep synthesis. This epoxide has proven its stability under the following conditions: 1 - reductive (neutral DIBAL), ionic (selectride), and metallic (Zn); 2 - oxidative (osmium tetroxide/sodium periodate, sodium chlorite); 3 - basic (fluoride in aprotic solvents, DMAP, LDA, enolates); 4 - electrophilic (acylation with an acyl chloride in Yamaguchi reaction). Of all reagents applied, only dilute acid has led to (and in this case desired) epoxide opening.

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold SINCE FILE TOTAL COST IN U.S. DOLLARS ENTRY SESSION 175.82 13.85 FULL ESTIMATED COST SINCE FILE TOTAL DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SESSION ENTRY -1.46 -1.46CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:09:26 ON 02 NOV 2005

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LOGINID: SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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FILE 'HOME' ENTERED AT 11:07:42 ON 02 NOV 2005

=> logoff hold COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:07:48 ON 02 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'HOME' AT 12:00:06 ON 02 NOV 2005 FILE 'HOME' ENTERED AT 12:00:06 ON 02 NOV 2005

TOTAL SINCE FILE COST IN U.S. DOLLARS ENTRY SESSION 0.21 0.21 FULL ESTIMATED COST => file reg SINCE FILE TOTAL COST IN U.S. DOLLARS ENTRY SESSION 0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:00:14 ON 02 NOV 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 31 OCT 2005 HIGHEST RN 866452-21-3 HIGHEST RN 866452-21-3 DICTIONARY FILE UPDATES: 31 OCT 2005

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

FULL ESTIMATED COST

Please note that search-term pricing does apply when conducting SmartSELECT searches.

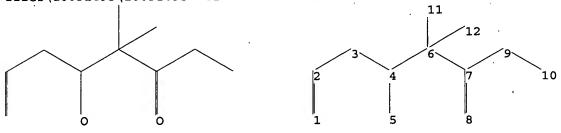
st The CA roles and document type information have been removed from st\* the IDE default display format and the ED field has been added, \* effective March 20, 2005. A new display format, IDERL, is now \* available and contains the CA role and document type information.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10031495\10031495 clm 7 num 16.str



chain nodes :

1 2 3 4 5 7 10 11 12 8 9 6

chain bonds :

1-2 2-3 3-4 4-5 4-6 6-7 6-11 6-12 7-8 7-9 9-10

exact/norm bonds :

4-5 7-8

exact bonds :

1-2 2-3 3-4 4-6 6-7 6-11 6-12 7-9 9-10

Hydrogen count :

1:>= minimum 2 2:>= minimum 1 3:>= minimum 2 4:>= minimum 1 9:>= minimum 2

10:>= minimum 3

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

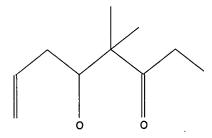
10:CLASS 11:CLASS 12:CLASS

## L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 12:00:45 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 837 TO ITERATE

100.0% PROCESSED 837 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 15005 TO 18475

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1 sss full

FULL SEARCH INITIATED 12:00:53 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 16086 TO ITERATE

100.0% PROCESSED 16086 ITERATIONS 3 ANSWERS

SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> d.13

L3 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 219990-08-6 REGISTRY

ED Entered STN: 25 Feb 1999

CN 7-Octen-3-one, 5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-4,4-dimethyl(9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H32 O2 Si

SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 165.32 165.53

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:04:03 ON 02 NOV 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 2 Nov 2005 VOL 143 ISS 19 FILE LAST UPDATED: 1 Nov 2005 (20051101/ED)

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http://www.cas.org/infopolicy.html

=> 13

L5

L4 15 L3

=> 13/prep

15 L3

3379321 PREP/RL 9 L3/PREP (L3 (L) PREP/RL)

```
ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
L5
     Preparation of epothilone analogs as anticancer agents
ΤI
     1998:405952 CAPLUS
AN
DN
     129:81625
     Preparation of epothilone analogs as anticancer agents
TI
     Nicolaou, Costa Kyriacos; He, Yun; Ninkovic, Sacha; Pastor, Joaquin;
IN
     Roschangar, Frank; Sarabia, Francisco; Vallberg, Hans; Vourloumis,
     Dionisios; Winssinger, Nicolas; Yang, Zhen; King, Nigel Paul; et al.
     Novartis A.-G., Switz.; Scripps Research Institute
PΑ
     PCT Int. Appl., 213 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LA
FAN.CNT 5
                         KIND
                                DATE
                                           APPLICATION NO.
                                                                   DATE
     PATENT NO.
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                                _____
     WO 9825929
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                                           WO 1997-EP7011
                                                                   19971212
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             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
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             GA, GN, ML, MR, NE, SN, TD, TG
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ΡI					19990621				
r.	WO 9967252	A3	20000316						
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				GE, GH, GM, HR, HU, LK, LR, LS, LT, LU,					
				RO, RU, SD, SE, SG,					
				VN, YU, ZA, ZW, AM,					
	MD, RU,	TJ, TM							
				SZ, UG, ZW, AT, BE,					
				LU, MC, NL, PT, SE,	BF, BJ, CF, CG,				
	CI, CM,	GA, GN, GW,	ML, MR,	NE, SN, TD, TG US 1998-102602	7 10000622				
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OS MARPAT 129:81625 GI

Epothilone A, epothilone B, analogs of epothilone and libraries of epothilone analogs of formula I [X = (CH2)n; n = 1-5; R1 = OH, OMe, absent; R2, R3 = H, CH2, Me; R4 = H, Me, protecting group; R5 = H, Me, CHO, (substituted) CO2H, etc.; R6 = O, CH2, absent; R7 = thiazolealkyl, etc.] are synthesized. Epothilone A and B are known anticancer agents that derive their anticancer activity by the prevention of mitosis through the induction and stabilization of microtubulin assembly. Several of the analogs are demonstrated to have a superior cytotoxic activity as compared to epothilone A or epothilone B as demonstrated by their enhanced ability to induce the polymerization and stabilization of microtubules. Thus, II was prepared and was shown to induce tubulin polymerization at 94% relative to GTP, and

inhibit carcinoma cell growth.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

TI Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy

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- DN 127:135660
- TI Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy
- AU Nicolaou, K. C.; Ninkovic, S.; Sarabia, F.; Vourloumis, D.; He, Y.; Vallberg, H.; Finlay, M. R. V.; Yang, Z.
- CS Department of Chemistry and The Skaggs, Institute for Chemical Biology, La Jolla, CA, 92037, USA
- Journal of the American Chemical Society (1997), 119(34), 7974-7991 CODEN: JACSAT; ISSN: 0002-7863
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 127:135660

GI

- \* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY AVAILABLE VIA OFFLINE PRINT \*
- The total syntheses of epothilones A (I) (R = H) and B I (R = Me) and AB several analogs are described. The reported strategy relies on a macrolactonization approach and features selective epoxidn. of the macrocycle double bond in precursors II (R = H, Me) as well as high convergency and flexibility. Building blocks (S) -MeCH2COC (Me) 2CH (OSiMe2CMe3) CH2CO2H, (S)-Me3CMe2SiOCH2CH (Me) CH2CH2CH2COR (R = H, Me), (III) [R2 = CH2CH2P+(Ph)3I-; CH2CHO] were constructed by asym. processes and coupled via Wittig, aldol, and macrolactonization reactions to afford the basic skeleton of epothilones and that of several of their analogs by a relatively short route. The utilization of intermediate III [R2 = (E)-CH2CH=C(Me)CH2CH2I], obtained via a stereoselective Wittig reaction and its Enders coupling to SAMP hydrazone, in combination with a stereoselective aldol reaction with the modified substrate (S)-MeCH2COC(Me)2CH(OSiMe2CMe3)CH2CH2OSiMe2CMe3 improved the stereoselectivity and efficiency of the total synthesis of these new and highly potent microtubule binding antitumor agents.
- L5 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Total synthesis of epothilone A: the olefin metathesis approach
- AN 1997:117381 CAPLUS
- DN 126:199371
- TI Total synthesis of epothilone A: the olefin metathesis approach
- AU Yang, Zhen; He, Yun; Vourloumis, Dionisios; Vallberg, Hans; Nicolaou, K.
- CS Department Chemistry Skaggs Institute Chemical Biology, Scripps Research Institute, La Jolla, CA, 92037, USA
- SO Angewandte Chemie, International Edition in English (1997), 36(1/2), 166-168
  - CODEN: ACIEAY; ISSN: 0570-0833
- PB VCH
- DT Journal
- LA English
- OS CASREACT 126:199371

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AB The asym. total synthesis of epothilone A (I) from EtCOCMe2CHO, (S)-H2C:CH(CH2)3CHMeCHO and Et 2-methylthiazole-4-carboxylate via metathesis of olefin II is described.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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